



GAU 2872

Atty. Docket No. 016790/0398

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Gerhard HOPPEN

Serial No.: 09/598,406

Examiner: A. Chang

Filed: June 21, 2000

Art Unit: 2872

Title: DUV-CAPABLE MICROSCOPE OBJECTIVE WITH PARFOCAL IR FOCUS

#9/B
Amend
Smaller
11/20/01REPLY AND AMENDMENTAssistant Commissioner for Patents
Washington, D.C. 20231RECEIVED
NOV 13 2001
TC 2800 MAIL ROOM

Sir:

In response to the Office Action mailed on May 9, 2001, please amend the above-identified application as provided below. In accordance with 37 C.F.R. § 1.121(b), a marked up version of the amended specification and claims showing the changes made with brackets and underlines is attached as Exhibit A.

IN THE ABSTRACT:

Please replace the full abstract paragraph with the following clean version:

B1 A DUV-capable dry objective for microscopes comprises lens groups made of quartz glass, fluorite, and in some cases also lithium fluoride. It possesses a DUV focus for a DUV wavelength region $\lambda_{\text{DUV}} \pm \Delta\lambda$, where $\Delta\lambda = 8 \text{ nm}$, and additionally a parfocal IR focus for an IR wavelength λ_{IR} , where $760 \text{ nm} \geq \lambda_{\text{IR}} \geq 920 \text{ nm}$. For that purpose, the penultimate element is of concave configuration on both sides, and its object-side outer radius is much smaller than its image-side outer radius. The DUV objective is IR autofocus-capable.